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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
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|------------|------------|----------------|-------|------|
| 10/086,271 | 03/01/2002 | Neal N. Lozins | SSI-1 | 4059 |
|------------|------------|----------------|-------|------|

31671 7590 11/17/2004

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EXAMINER

VO, TED T

| ART UNIT | PAPER NUMBER |
|----------|--------------|
|----------|--------------|

2122

DATE MAILED: 11/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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|                              |                               |                                 |  |
|------------------------------|-------------------------------|---------------------------------|--|
| <b>Office Action Summary</b> | Application No.<br>10/086,271 | Applicant(s)<br>LOZINS, NEAL N. |  |
|                              | Examiner<br>Ted T. Vo         | Art Unit<br>2122                |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 01 March 2002.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>10/23/03</u> . | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

1. This action is in response to the application filed on 03/01/2002.

Claims 1-4 are pending in the application.

***Specification***

2. The abstract of the disclosure is objected to because content of the abstract exceeds more than 150 words in length. Correction is required. See MPEP § 608.01(b).

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Bunch, "Fundamental Microsoft Jet SOL for Access 2000", Feb 2000.

As per claim 1: Bunch discloses,

*"A method for facilitating the development and testing, by a plurality of individual user entities, a relational database application program which includes a plurality of Data Manipulation Language statements, which runs under a database management system and which accesses original database tables organized as rows of defined columns, said method comprising:  
for each original database table: employing Data Definition Language statements at least a first time*

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*to create a corresponding new table within which are defined the same columns that are defined in the original database table (See page 6, Retrieving Records, disclosing Data Definition Language using SELECT statement to retrieve data from database tables (original table) to create a set of records made up any number of fields or columns (new table)), and which includes an additional column that is defined to include a User Identification, and to define a view created having the same name and column definitions as the corresponding original database table, where the view Selects only the rows in the new table in which the User Identification matches a particular user entity (See pages 6-11, whole section of Using Data Manipulation Language); and*

*for each particular user entity, allowing access to the view created by a match of the User Identification with the particular user entity for executing Data Manipulation Language statements of the application program, including statements to insert rows, without modification of the statements of the application program other than for purposes of developing and testing functionality of the application program (See pages 11-14, whole section Using SQL in Access, and see page 9: Grouping Records in a Result Set, and Inserting Records into a Table).*

As per claim 2: Bunch discloses,

*The method of claim 1, which further comprises, when development and testing employing Data Manipulation Language statements of the application program have reached a desired stage of completion (See page 1, Summary), for each original database table (See page 6, Retrieving Records), removing the Data Definition Language statements which created the corresponding new table and defined the view having the same name and column definitions as the corresponding original database table, such that the application program can access all rows of the original database table without modification of the Data Manipulation Language statements of the application program (See pages 11-14, whole section Using SQL in Access, and see pages 10-11: Updating Records in a Table, and Deleting Records from a Table).*

As per claim 3: Bunch discloses,

*The method of claim 1, which further comprises, when development and testing employing Data Manipulation Language statements of the application program have reached a desired stage of*

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*completion, for each original database table (See page 6, Retrieving Records), modifying the Data Definition Language statements which created the corresponding new table and defined the view having the same name and column definitions as the corresponding original database table by removing all reference to the User Identification such that access to the view is not limited to rows in the new Table where the User Identification matches a particular user entity (using SELECT statement), and such that the application program can access through the view all rows of the original database table without modification of the Data Manipulation Language statements of the application program (See pages 11-12, Using SQL in Access).*

As per claim 4: Bunch discloses,

*The method of claim 1, wherein: the database management system creates an authorization identification for each user entity logging on; wherein during the step of employing Data Definition Language statements at least a first time to create a corresponding new table, the additional column is defined as NOT NULL, and to contain the authorization identification as a default value (Syntax of DDL; for example see in page 3, CREATE TABLE statement within section Creating and Deleting Tables); and wherein the database management system, when a statement to INSERT a row accesses a view derived from a table, stores defined default values in any columns of the row which are present in the table from which the view is derived but which are missing from the view (Syntax of DDL; for example see in pages 9-10 Inserting Records into a Table).*

### **Conclusion**

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

**DeKimpe et al.**, US Pat. 6,546,395 B1 discloses modifications to one or more original tables in a relational database corresponding to the multi-dimensional database are identified.

**Hoffman**, "Introduction to Structured Query Language", <http://w3.one.net> , Version 4.66 pages 1-32, April 2001, disclose basics of SELECT statement used in SQL.

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**Hoffman**, "Introduction to Structured Query Language", <http://www.intermedia.net> , Version 4.11, pages 1-19, 11-1998, disclose basics of SELECT statement used in SQL.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted T. Vo whose telephone number is (571) 272-3706. The examiner can normally be reached on 8:00AM to 5:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam can be reached on (571) 272-3694. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TED T. VO

TTV  
Patent Examiner  
Art Unit 2122  
November 12, 2004